



Portsmouth Gaseous Diffusion Plant

August 13, 2009

Monthly Waste Disposition Projects Update to the Site Specific Advisory Board

Total Waste Shipments for June and July

Seventy-one containers of waste totaling 303.16 cubic meters of low-level, mixed low-level, TSCA mixed low-level, RCRA and recycle/universal wastes were shipped either for treatment or disposal during the months of June and July 2009. To date in FY 2009, a total of 3,426 cubic meters of low-level and mixed low-level waste have been shipped for disposal. LATA/Parallax has surpassed the planned shipment amount (3,109 cubic meters) for all of FY 2009. The breakdown for waste disposition in June and July included:

- Nevada Test Site: 24 containers of low-level waste totaling 273 cubic meters;
- EnergySolutions Disposal Facility in Utah: 10 containers of low-level waste; 16 containers of mixed low-level waste; and two containers of TSCA mixed low-level waste totaling 27.27 cubic meters; and
- Perma-Fix Treatment Facility in Florida: 8 containers of recycle/universal waste, one container of RCRA waste and 10 containers of TSCA waste totaling 2.8 cubic meters.

Excess Materials Disposition

- LPP continues removing rail cars, rail materials, scrap metal, pallets and wood ties in Quadrants III and IV.



Workers prepare an excess rail car for removal from the PORTS site the week of August 3, 2009. The flatbed rail car has been requested for use as a bridge by the Moonville Trail Association in Southeastern Ohio.

Lube Oil/Pyranol Disposition

- USEC has made considerable progress in removing lube oil and pyranol from the site.

Lube Oil:

- Removal and transfer of all bulk lube oil from the X-333 and X-330 Process Buildings is complete with the exception of two units in X-330 which are maintained for operational/backup activities.
- Removal and transfer from three of seven designated units in the X-326 Building is complete.
- Total lube oil removed for disposition through July 2009 is 158,840 gallons via nine railcars.

Pyranol:

- Removal and transfer of pyranol, from the X-333 Building transformers, into railcars is ongoing. Upon completion of the X-333 Building transformers, USEC will begin removal and transfer of pyranol from the X-330 Building transformers into railcars.
- The total pyranol removed for disposition through July 2009 is 68,000 gallons via five railcars.



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Small Cylinders Disposition Phase II

- Project entails disposal of 713 cylinders: 300 with greater than “heel” quantities of UF_6 ; 127 cylinders returned from USEC after recovery of uranium and 286 clean empty cylinders recovered from eight waste containers that were stored in the X-326 building.
- An LPP Readiness Assessment began the week of July 20, 2009; currently addressing issues related to a heat trace line in equipment. After the LPP Readiness Assessment is completed, DOE will perform a Readiness Assessment.
- Once stabilized, waste will be shipped to the Nevada Test Site.
- Project expected to be complete by mid-October 2009.

DOE Material Storage Areas 11 and 12

- Ongoing project to dispose of 324 total items of equipment stored in the X-326 Process Building.
- Shipment of 69 items (in 42 containers) has been completed to date for disposal at Nevada Test Site.
- Packaging of remaining items continues toward a September 30, 2009 completion date.

Repackaging/Disposition of Surplus Uranium Materials – American Recovery and Reinvestment Act (ARRA) Project

- Scope includes repackaging and disposition of about 34% or approximately 1,000 metric tons (in 13 separate lots) of the total inventory of surplus uranium currently in storage in the Uranium Management Center.
- Materials will be disposed at the Nevada Test Site.
- Shipments anticipated to commence in September 2009.



Pictured below are two lots of uranium materials to be dispositioned from the Uranium Management Center.

